IN THE CLAIMS

Please amend the claims as follows:

1. (previously presented) UV illuminating device for crosslinking biocompatible, polymerisable material in order to produce an ophthalmic moulding in a casting mould consisting of two mould halves, comprising at least one UV lamp which is surrounded by a plurality of optical fibres, wherein each optical fibre is linked to one casting mould.

2. (cancelled)

3. (previously presented) UV illuminating device according to claim 1, wherein the UV lamp is a mercury lamp.

4. (previously presented) UV illuminating device according to claim 3, wherein the UV lamp is a doped mercury lamp.

5. (previously presented) UV illuminating device according to Claim 1, wherein the optical fibres are liquid optical fibres.

6. (previously presented) UV illuminating device according to Claim 1, wherein the emission spectrum of the UV lamp has a high UV intensity at 280 - 360 nm.

7. (previously presented) UV illuminating device according to Claim 1, further comprising a sensor, wherein the sensor measures the radiation intensity of the UV lamp and is connected to a regulating unit to regulate the UV radiation.

8. (previously presented) UV illuminating device according to Claim 1, further comprising a measuring unit which measures the emitting UV radiation intensity.

9. (currently amended) UV illuminating device according to ~~one or more of claims 1 to 8, whereby~~ Claim 1, wherein in order to couple in the UV radiation, a quartz rod is respectively provided between the UV lamp and the light admission area of each of the optical fibres.

10. (previously presented) UV illuminating device according to claim 9, wherein a cut-on filter is provided between the quartz rod and the optical fibre in order to absorb short-waved UV radiation.

11. (cancelled)

12. (previously presented) UV illuminating device according to Claim 1, wherein a diaphragm is provided between the optical fibre and the UV lamp.

13. (previously presented) UV illuminating device according to claim 12, wherein the aperture of the diaphragm is adjusted by means of a stepping motor unit.

14. (previously presented) UV illumination device according to Claim 1, wherein the aperture of the diaphragm is controlled in accordance with the measurement of UV radiation intensity being emitted.

15. (previously presented) UV illuminating device according to Claim 1, wherein a UV condenser is mounted between the optical fibre and the upper mould half.

16. (previously presented) UV illuminating device according to Claim 1, wherein the optical fibres are arranged radially around the UV lamp in relation to the longitudinal axis of the UV lamp.

17. (new) UV illuminating device according to Claim 1, wherein each optical fibre provides a level of UV illumination to one casting mould sufficient to cause the polymerizable material to be polymerised throughout the entire casting mould.